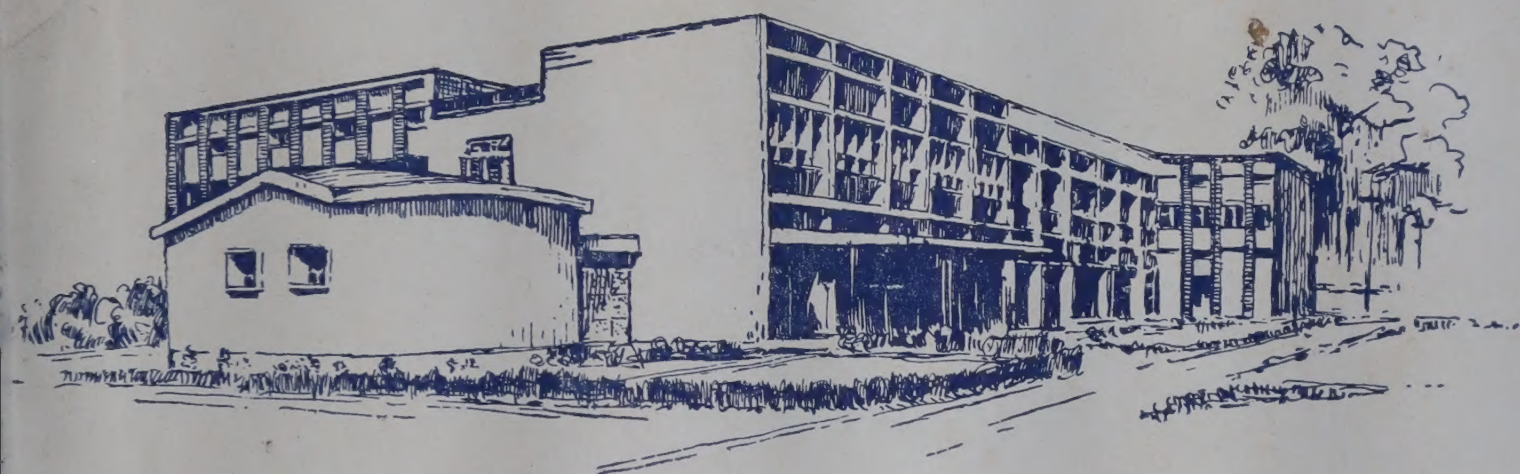




BIBLIOGRAPHY OF INDIAN FISHERIES



Vol. II, No. I
March, 1972



CENTRAL INLAND FISHERIES RESEARCH INSTITUTE
(Indian Council of Agricultural Research)
BARRACKPORE, WEST BENGAL
INDIA

BIBLIOGRAPHY OF INDIAN FISHERIES

(World-List Abbreviation: Biblphy Indian Fish.)

Volume 11, No. 1

March, 1972

Compiled

by

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H. Sutar

I. ENTRIES

1. Anon 1971

Are the world ocean resources limitless ?
Seafd. Export Journal, 3(11):31-32.

Describes the food and fish resources of the Ocean, their limitations and how to remove them.

2. Bhargava, H.N. and D.N. Saksena 1971

(Dept. of Zoology, University of Saugar, Saugar, India).

An improved method for sectioning the yolky Oocytes of fish. Sci. & Cult., 37(9):434-435. 6 ref.

3. Bhatia, H.L. 1971

(Fisheries Research Laboratory, Bhopal).

Toxicity of some insecticides to Cirrhinus mrigala (Hamilton) and Colisa fasciata (Bloch & Schneider). J. Inland Fish. Soc. India, 3:114-116

Describes the comparative effects of seven different pesticides on C. mrigala and C. fasciata. 2 ref.

4. Bhowmick, R.M. & M.M. Bagchi 1971

(Central Inland Fisheries Research Substation, Cuttack, Orissa).

A note on the preservation of sperms of carps.
Ibid, 3:119-120

Describes the process of sperm preservation using different diluents, viz., egg-yolk-citrate, sodium citrate, frog ringer's solution etc. 6 ref.

5. Chakrabarty, R.D., D.S. Murty, P.R. Sen & D.K. Chatterjee
(Central Inland Fisheries Research Substation,
Cuttack, Orissa, India).

Preliminary observations on the usefulness of
silkworm pupae as feed for fingerlings of Indian
major carps and common carp. Ibid, 3:117-118.

Describes the usefulness of silkworm pupae as an
artificial feed for the fingerlings of Indian major carps
and the common carp. 4 ref.

6. Chakraborty, R.K. 1971

(Central Inland Fisheries Research Institute,
Barrackpore, West Bengal, India).

Migratory winter fishery and dry fish industry in
Hooghly-Matlah estuary (West Bengal). Ibid,
3:131-132.

Gives an account of the winter-fishery in the
lower-zones of the Hooghly-Matlah estuary. Also describes
the present status of the dry fish industry in the
Fraserganj area. 2 ref.

7. Das, C.R. 1971

(Dept. of Zoology, Visva-Bharati University,
Santiniketan, West Bengal)

Food and feeding habits of Esomus danrica
(Hamilton). Ibid, 3:127-128.

8. Desai, V.R. & K.J. Rao 1971

(Government Fish Farm, Madhya Pradesh Fisheries,
Bhopal, Madhya Pradesh, India).

On the retardation of gonadial development due to
excessive adiposity in Cirrhinus mrigala (Hamilton).
Ibid, 3:125-126.

Describes an abnormal case of retarded gonadial de-
velopment in C. mrigala due to excess fat deposition in the
abdoment. 4 ref.

9. George, K.C. 1971

(Biologist, Pelagic Fishery Project, P.O. Box 1791, Cochin-16).

Salt water 'Fish' farming. Seafd. Export. J., 3(11):7-14.

Gives an account of salt water fish farming in West Bengal, Madras and Kerala and also gives an account of the cultivable fishes, prawns and molluscs in salt water fish farms. 9 ref.

10. Ghosh, Amitabha 1972

(Directorate of Fisheries, West Bengal, India)

An abnormal rostrum of the commercial prawn

Macrobrachium rosenbergii (DeMan). Sci. & Cult., 38(2):98-99.

Describes an abnormal carapace of M. rosenbergii with a bifurcated rostrum. 1 ref.

11. Ghosh, Apurba 1971

(Central Inland Fisheries Research Institute, Barrackpore, West Bengal, India)

Observations on acclimatization and growth of the bhetki Lates calcarifer (Bloch) in freshwater ponds. J. Inland Fish. Soc. India, 3:123-124.

Describes the possibilities of culturing L. calcarifer in freshwater ponds without adopting any transitional acclimatization measures which are necessary for the culture of other brackish water fishes. 6 ref.

12. Gopalakrishnan, V. and Apurba Ghosh 1971
 (Central Inland Fisheries Research Institute,
 Barrackpore, West Bengal, India)
 Observations on the abundance of Hilsa ilisha
 (Hamilton) in the Hooghly estuary during 1971
 monsoon season. Ibid, 3:139-142

Gives an account of the hilsa landings during the year 1971 while giving a comparative account of hilsa fishery during the years 1955 and 1971, the authors have discussed in details the factors influencing the fluctuations of hilsa fishery. 2 ref.

13. Hafeezullah, M. 1971
 (Section of parasitology, Department of Zoology,
 Aligarh Muslim University, Aligarh, India).
 Opecoclid trematodes of marine fishes of India.
Parasitology, 62(2):321-329.

The paper describes five new and three known species of trematodes belonging to different genera from marine fishes of India. 6 ref.

14. Hughes, G.M. and Singh, B.N. 1971
 (Research unit for comparative animal respiration.
 The University, Bristol BS8, UG.)
 Gas exchange with air and water in an air
 breathing catfish Saccobranchus (= Heteropneustes)
fossilis. J. Exp. Biol, 55(3):667-682.

The paper gives an account of the relative rôles of gills and air-breathing organs in gas exchange in H. fossilis under different environmental conditions. 25 ref.

15. Khan, H.A. & S.K. Mukhopadhyay 1971
 (Central Inland Fisheries Research Institute,
 Barrackpore, West Bengal, India).
 Observations on the utilisation of tubificid
 worms by Heteropneustes fossilis (Bloch).
J. Inland Fish. Soc. India, 3:135-137.

Gives an account of the utilization of the
 tubificid worms by H. fossilis. The authors also describe
 the result of giving sufficient amount of food to reduce
 the mortality due to cannibalism at fingerling stage.
 3 ref.

16. Kasinathan, S. and S.L. Basu 1971
 (Department of Biology, Jawaharlal Institute of
 post graduate medical education and Research).
 A haematological study on Rana hexadactyla Lesson.
Sci. & Cult, 37(8):388-390.

Deals with the seasonal variations in the number
 of blood cells in both the sexes of R. hexadactyla. 9 ref.

17. Laha, G.C., P.M. Mitra & R.N. Pal 1971
 (Central Inland Fisheries Research Institute,
 Barrackpore, West Bengal).
 A note on the association of parasites of
Hilsa ilisha (Hamilton) of the Hooghly estuary.
J. Inland Fish. Soc. India, 3:133-134.

The nature and degree of parasitisation by
 different species of parasites of Hilsa ilisha and the
 significance of the association of the parasites has
 been statistically analysed. 6 ref.

18. Lakshmanan, M.A.V., K.K. Sukumaran, D.S. Murty, D.P. Chakraborty & M.T. Philipose 1971
(Central Inland Fisheries Research Substation, Cuttack, India).
Preliminary observations on intensive fish farming in freshwater ponds by the composite culture of Indian and exotic species.
Ibid, 3:1-21.
19. Lakshminarayana, K.V. & K.V. Rama Rao 1971
(Zoological Survey of India, 8, Lindsay Street, Calcutta-16).
Tapping the animal resources 1. The red-ant (Oecophylla smaragdina F.B) as a fish bait.
Seafd. Export J., 3(12):23-24.
- Describe the usefulness of the red-ants as a fish bait. 7 ref.
20. Menon, A.G.K. & K.V. Rama Rao 1972
(Zoological Survey of India, Calcutta).
New records of shallow water brotulid fishes, Brotula multibarbata Schlegel and Dinematichthys iluocoeteoides Bleeker from the Andaman Sea.
Curr. Sci., 41(1):24-25.
- Gives an account of identifying characteristics and distribution of B. multibarbata & D. iluocoeteoides.
21. Menon, M. Devidas 1971
(Director, Indo-Norwegian Project).
Investigation on off shore and deep sea fisheries resources in Indian waters. Seafd. Export. J., 3(12):7-12.

Deals with the survey and investigations of marine fisheries of India and also provides a short account of the Norwegian assistance for exploratory surveys.

22. Moitra, S.K. and G.M. Sinha 1971

(Fisheries Laboratory, Department of Zoology, Burdwan University, West Bengal, India).
Studies on the morphohistology of the alimentary canal of carp, Chagunius chagunio (Hamilton) with reference to the nature of taste buds and mucous cells. J. Inland Fish. Soc. India, 3:44-56. 32 ref.

23. Moitra, S.K. and S.K. Mukherji ¹ ² 1972

(¹ Fisheries Laboratory, University of Burdwan, West Bengal, India. ² Central Inland Fisheries Research Institute, Barrackpore, West Bengal, India).

Studies on the freshwater plankton of a fish-pond in Kalyani, West Bengal, India. Vest. Cs. spol. Zool., 36(1):23-28.

Qualitative, quantitative and seasonal variations of different species of phyto and zooplankton in a fish pond of West Bengal during 1964-65 are described. 17 ref.

24. Narasimhan, P.V. & B.I. Sundararaj 1971

(Department of Zoology, University of Delhi, Delhi 7, India).

Effects of stress on carbohydrate metabolism in the teleost Notopterus notopterus (Pallas).

J. Fish. Biol., 3(4):441-451.

Describes the effects of different types of stress on carbohydrate metabolism in N. notopterus. 48 ref.

- 1 2 3
25. Parameswaran, S., S. Radhakrishnan & C. Selvaraj , 1971
 (1All India Co-ordinated Project on Live Fish Culture, Bhadra, Mysore, India. 2Pulicat lake unit of the CIFRI, 19A, Patel Road, Madras-11, Tamil Nadu, India. 3All India Co-ordinated Project on Reservoir Fisheries, Bhavanisagar, Tamil Nadu, India).
 Some observations on the biology of the carp minow, Osteobrama cotio (Hamilton). J. Inland Fish. Soc. India, 3:103-113.

Food & feeding habits, maturity and spawning, early life history and induced breeding of O. cotio are discussed. 12 ref.

26. Patnaik, S. 1971
 (Central Inland Fisheries Research Sub-station, Cuttack, Orissa, India).
 Observations on the fishery and biology of Chilka Jagili, Gerres setifer (Hamilton). Ibid, 3:25-56.

Deals with the investigations on different aspects of biology viz., food and feeding habit, growth and maturity of G. setifer in Chilka lake. 12 ref.

27. Prasadam, R.D.
 (Pulicat Lake Unit of Central Inland Fisheries Research Institute, 19-A, Patel Road, Madras-11).
 Observations on the biology of the pearl-spot Etroplus suratensis (Bloch) from the Pulicat lake, Madras. Ibid, 3:72-78.

Gives an account of the length-weight relationship, food and feeding habit, gastro-somatic index and sex composition of E. suratensis. 8 ref.

28. Raghu Prasad, R. & P.R.S. Tampi 1971
 (Indian Council of Agricultural Research,
 New Delhi).
 Development of fishery resources in India.
Seafd. Export J., 3(11):15-20

Gives an account of the development of fishery resources in India : growth range of seafood items, production potential, prospects of export, quality control, packaging etc. are discussed.

29. Rao, G.R. & K.J. Rao 1971
 (Pulicat Lake Unit of CIERI, 19-A, Patel Road,
 Perambur, Madras-11, India).
 On the occurrence of juveniles of Trichiurus lepturus
 Linnaeus in lake Pulicat. J. Inland Fish. Soc.
India, 3:138 p

Describes the abundance of juveniles of T. lepturus in the month of May 1971 in the Pulicat lake. Some hydrological features of the lake during these period are also discussed.
 4 ref.

30. Rathi, S.K. 1971
 (Dept. of Zoology, Govt. College, Kota, Rajasthan,
 India).
 Increased androgen production in fish following
 irradiation. Sci. & Cult., 37(12):583-584.

Describes the effects of irradiation by different radio-active substances on the androgen production of different species of fishes. 7 ref.

31. Saha, G.N. , K.L. Sehgal, Eva Mitra and A.C. Nandy 1971
 (Central Inland Fisheries Research Substation,
 Cuttack, Orissa, India).

Studies on the seasonal and diurnal variations in physico-chemical and biological conditions of a perennial fresh water pond. J. Inland Fish. Soc. India, 3:79-102.

Seasonal and vertical variations of the physico-chemical conditions of water and soil in relation to plankton, in a perennial pond at Cuttack during the period, March 1959-February 1961 has been described in details. 37 ref.

32. Sharma, K.P. & M.M. Simlot 1971
(Fisheries training school, Udaipur, Agricultural Experiment Stn. University of Udaipur, Rajasthan, India).
Piscicidal effect of temru Diospyros cordifolia Roxb. Ibid, 3:57-62.

Describes a simple processes for purification of the active material in the fruit of D. cordifolia, which kills even hardy fishes. The paper also deals with the piscicidal property of the active component of this fruit. 12 ref.

33. Sehgal, K.L. ¹, J.P. Shukla ² & K.L. Shah ³ 1971
(¹Cold Water Fisheries Research Unit of the CIFRI, Harwan, Srinagar, Kashmir, India. ²Dept. of Fisheries, Rajasthan, Jaipur. ³Cold Water Fisheries Research Sub-unit, Bilaspur, M.P.).
Observations on fisheries of Kangra valley and adjacent areas with special reference to Mahseer and other indigenous fishes. Ibid, 3:63-71.

Fisheries potential of hill-streams of Kangra valley and adjacent areas has been described. Suggestions for the improvement of the fisheries have been given. 5 ref.

34. Selvaraj, C., S. Radhakrishnan & D.K. Chatterjee 1971
 (1 All India Co-ordinated Project on Reservoir Fisheries, Bhavanisagar, Tamil Nadu, India.
 2 Pulicat lake unit of CIFRI, 19-A, Patel Road, Perambur, Madras-11, India. 3 Central Inland Fisheries Research Substation, Cuttack, Orissa).
 Natural spawning of Labeo boggut (Sykes) in some drainage channels in Panna, Madhya Pradesh. Ibid, 3:129-130.

Describes the natural spawning of L. boggut in some drainage channels in M.P. Also gives an account of conducive conditions for spawning of this species. 11 ref.

35. Sen, D.P. & G.D. Revankar 1971
 (CIFRI Fish Technology Experiment Station, Mangalore).
 Use of sardine oil in oil-sardine packs.
Seafd. Export J., 3(12): 13-17.

Reports that sardine oil of standard quality cleared at 25-30°C can be used as such or blended with refined groundnut oil in 1:1 proportion for packing of oil-sardines.

36. Singh, B.N. & Hughes, G.M. 1971
 (Research unit for comparative Animal respiration, Bristol University, Bristol BS8, U.G.).
 Respiration of an air-breathing catfish Clarias batrachus (Linn). J. Exp. Biol. 55(2):421-434.

Reports on the respiratory behaviour, rate of O₂ consumption and CO₂ elimination in C. batrachus under different environmental conditions. 12 ref.

37. Swarup, K. S. Srivastava & V.K. Das 1972
 (Dept. of Zoology, University of Gorakhpur, Gorakhpur, India).

Sexual dimorphism in the Spiny eel Mastocembelus puncalus. Curr. Sci., 41(2):68-69.

Gives an account of the distinguishing features of males and females of the eel M. puncalus. 3 ref.

38. Talwar, P.K. 1971

(Zoological Survey of India, Calcutta-13, West Bengal).

The taxonomic position of Umbrina dussumieri valenciennes, 1833 and Umbrina macroptera Bleeker 1853 (Pisces: Sciaenidae). J. Inland Fish. Soc. India, 3:22-24. 9 ref.

39. Venugopal, N. Ratnam & M.N.N. Kaimal 1971

(Fisheries Technological Station, Calicut-5).

Speciality products from laminated soles.

Seafd. Export J., 3(12):21-22.

Describes the process for preparing speciality products from sole fish Cynoglossus semifasciatus.

40. Yazdani, G.M. & S.K. Chanda 1971

(Eastern Regional Station, Zoological Survey of India, Shillong-3).

Identity of Channa stewartii (Playfair) with some observations on abnormal specimens (Channiformes: Channidae). Sci. & Cult., 37(12):580-581.

Gives an account of the distinguishing features of C. stewartii. Also deals with some abnormalities encountered in some specimens of the species. 4 ref.

II. AUTHOR INDEX

Every author's name appearing in the original article is listed alphabetically, including corporate bodies (societies, organisations etc.), whether occurring as single or multiple words. (Reference is given to the serial no. of the entry).

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